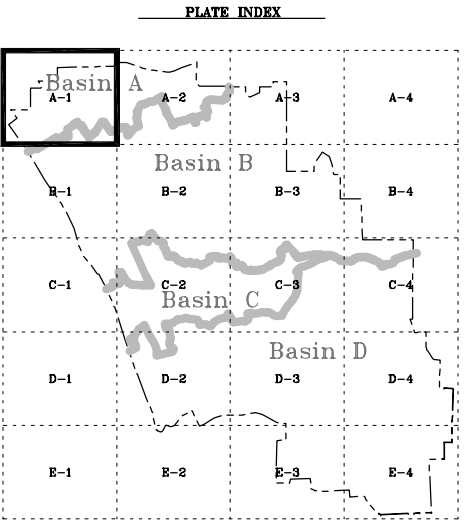
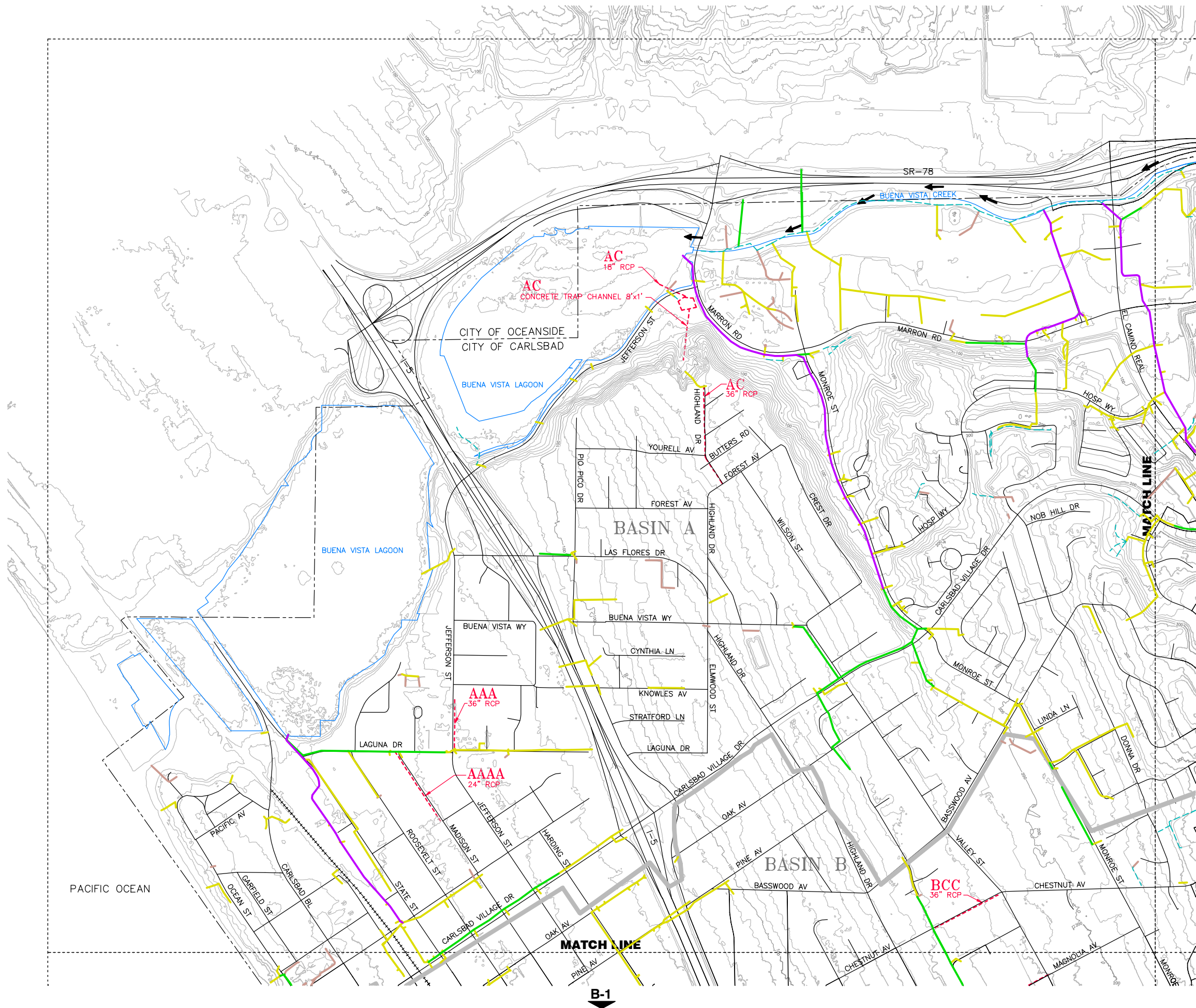


## **APPENDIX D**

### **MASTER PLAN OF DRAINAGE FACILITIES**

\\nas-1\Project\Carlsbad\_City of CA\128290-Carlsbad... Sheets 1000-4000 128290.dwg 1 6/29/07 2:01:00pm 1 1111 Files Roadwork\1 Waterlines\1 Carlsbad 4-2008 Everything\1 Roadwork\1.dwg Carlsbad Layout.dwg



0 500  
SCALE IN FEET

- LEGEND**
- EXISTING STORM DRAINS UNDER 12"
  - 15" TO 24"
  - 30" TO 48"
  - ABOVE 48"
  - DITCH
  - PROPOSED STORM DRAIN OR DRAINAGE FACILITY
  - LAKE, RESEVOIR, OR POND
  - RIVER OR STREAM
  - Basin A BUENA VISTA WATERSHED
  - Basin B AGUA HEDIONDA WATERSHED
  - Basin C ENCINAS CREEK WATERSHED
  - Basin D BATIQUITOS WATERSHED
  - WATERSHED DIVIDE
  - BM** FACILITY DESIGNATION  
First letter is BASIN DESIGNATOR  
Following letter(s) are the FACILITY DESIGNATOR
  - PROPOSED PLANNED LOCAL DRAINAGE (PLD) AREA BOUNDARY
  - ENHANCED NATURAL CHANNEL
  - PROPOSED ENHANCED NATURAL CHANNEL
  - MAJOR CREEK FLOW
  - EXISTING DETENTION BASIN
  - PROPOSED SEDIMENTATION BASIN
  - EXISTING SEDIMENTATION BASIN
  - CITY OF CARLSBAD BOUNDARY



**PLATE A-1**  
MASTER PLAN OF DRAINAGE FACILITIES

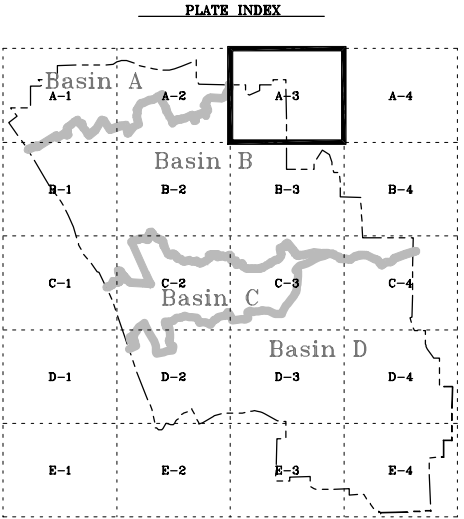
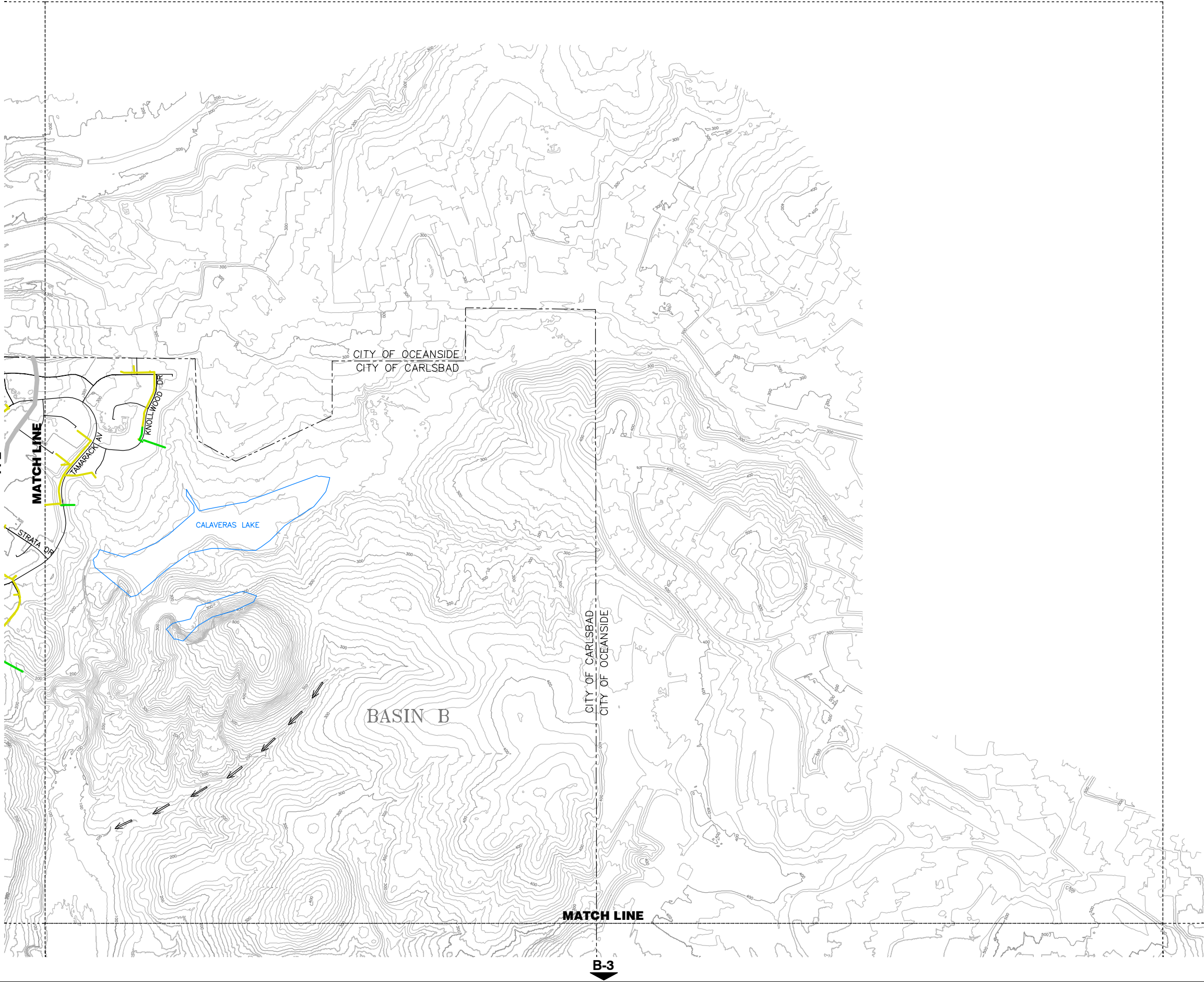
PROJECT LOCATION CITY OF CARLSBAD	DATE JUN 2007	PROJECT NUMBER 128290
	BROWN AND CALDWELL SAN DIEGO, CALIFORNIA	







\\cadd\proj\carlsbad\city of carlsbad\carlsbad\... Sheets 1000-4000 carlsbad2007... 6/29/07 08:10am... Road207.dwg... Carlsbad Logo.jpg



0 500  
SCALE IN FEET

- LEGEND**
- EXISTING STORM DRAINS UNDER 12"
  - 15" TO 24"
  - 30" TO 48"
  - ABOVE 48"
  - DITCH
  - PROPOSED STORM DRAIN OR DRAINAGE FACILITY
  - LAKE, RESEVOIR, OR POND
  - RIVER OR STREAM
  - Basin A BUENA VISTA WATERSHED
  - Basin B AGUA HEDIONDA WATERSHED
  - Basin C ENCINAS CREEK WATERSHED
  - Basin D BATQUITOS WATERSHED
  - WATERSHED DIVIDE
  - BM FACILITY DESIGNATION  
First letter is BASIN DESIGNATOR  
Following letter(s) are the FACILITY DESIGNATOR
  - PROPOSED PLANNED LOCAL DRAINAGE (PLD) AREA BOUNDARY
  - ENHANCED NATURAL CHANNEL
  - PROPOSED ENHANCED NATURAL CHANNEL
  - MAJOR CREEK FLOW
  - EXISTING DETENTION BASIN
  - PROPOSED SEDIMENTATION BASIN
  - EXISTING SEDIMENTATION BASIN
  - CITY OF CARLSBAD BOUNDARY



**PLATE A-3**  
**MASTER PLAN OF DRAINAGE FACILITIES**

PROJECT LOCATION	DATE	PROJECT NUMBER
CITY OF CARLSBAD	JUN 2007	128290
BROWN AND CALDWELL SAN DIEGO, CALIFORNIA		









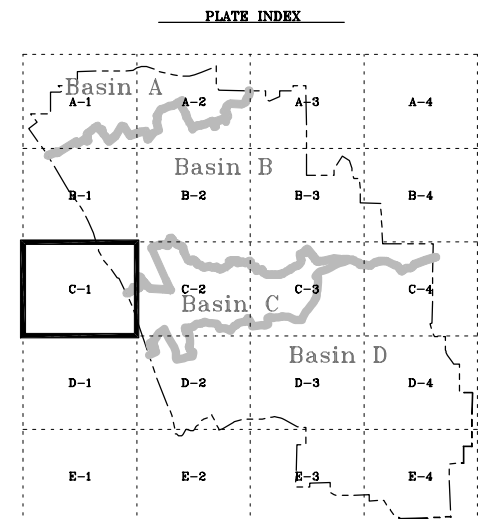
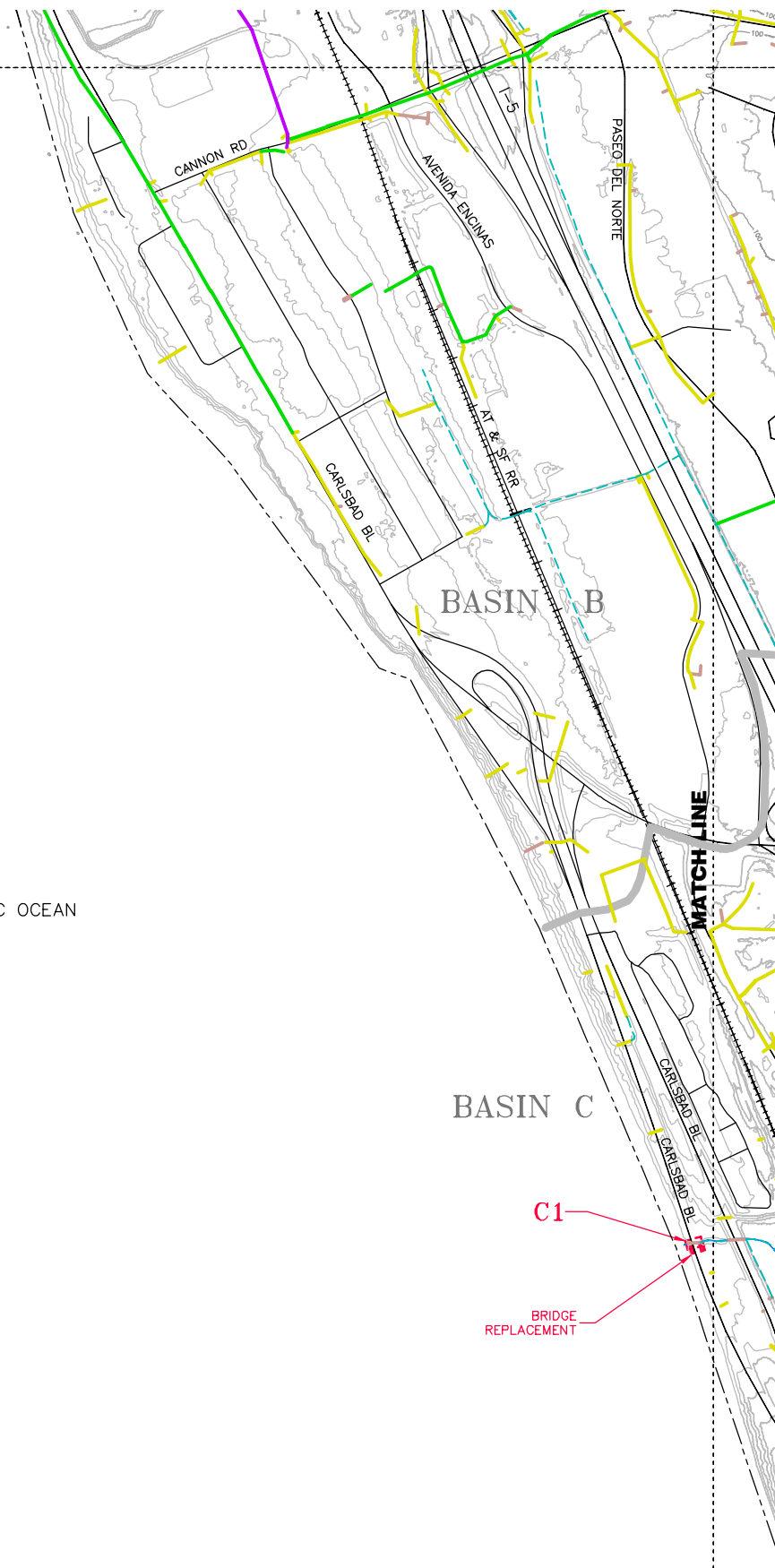





























0 500  
SCALE IN FEET

- LEGEND**
- |   |  |
|---|--|
|  | EXISTING STORM DRAINS<br>UNDER 12"   |
|  | 15" TO 24"   |
|  | 30" TO 48"   |
|  | ABOVE 48"  |
|  | DITCH  |
|  | PROPOSED STORM DRAIN OR<br>DRAINAGE FACILITY   |
|  | LAKE, RESEVOIR, OR POND  |
|  | RIVER OR STREAM  |
| <b>Basin A</b>  | BUENA VISTA WATERSHED  |
| <b>Basin B</b>  | AGUA HEDIONDA WATERSHED  |
| <b>Basin C</b>  | ENCINAS CREEK WATERSHED  |
| <b>Basin D</b>  | BATQUITOS WATERSHED  |
|  | WATERSHED DIVIDE   |
| <b>BM</b>   | FACILITY DESIGNATION<br>Following letter(s) is BASIN DESIGNATOR<br>FACILITY DESIGNATOR |
|  | PROPOSED PLANNED LOCAL<br>DRAINAGE (PLD) AREA BOUNDARY                                 |
|  | ENHANCED NATURAL CHANNEL   |
|  | PROPOSED ENHANCED NATURAL CHANNEL  |
|  | MAJOR CREEK FLOW   |
|  | EXISTING DETENTION BASIN   |
|  | PROPOSED SEDIMENTATION BASIN   |
|  | EXISTING SEDIMENTATION BASIN   |
|  | CITY OF CARLSBAD BOUNDARY  |



**PLATE C-1**  
**MASTER PLAN OF DRAINAGE FACILITIES**

PROJECT LOCATION	DATE JUN 2007	PROJECT NUMBER 128290
CITY OF CARLSBAD	BROWN AND CALDWELL SAN DIEGO, CALIFORNIA	



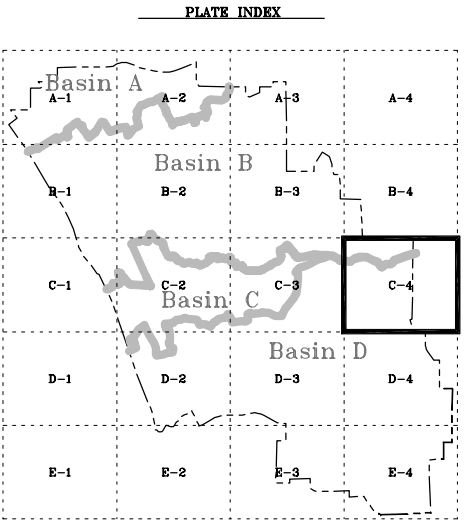
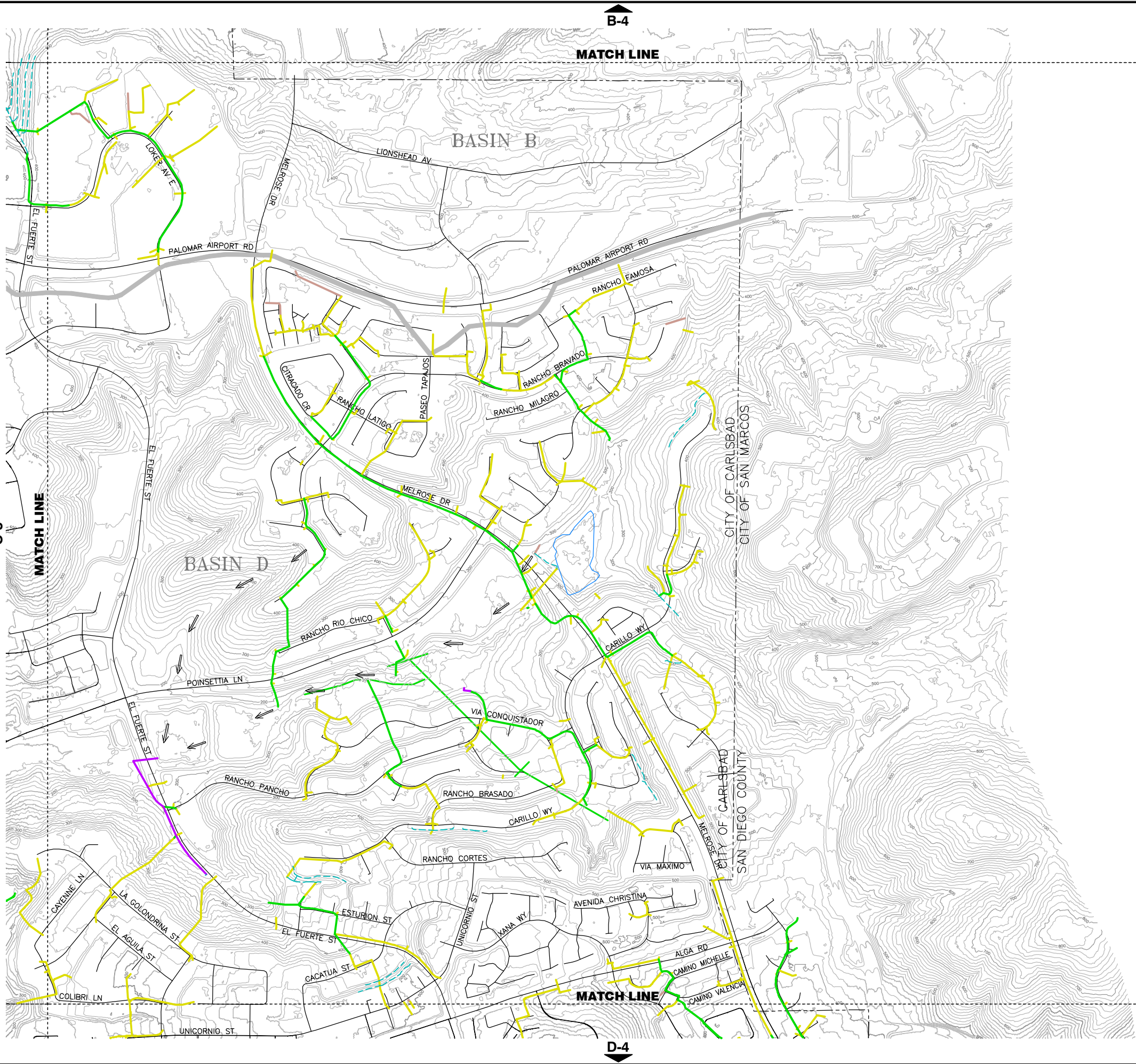








\\nas01\proj\carlsbad\city of carlsbad\GIS\128290-Carlsbad - ... Sheets 1000-4000 (continued) 6/29/07 08:29am 1 Ref Plan Roadway.dwg 1 Watering 1 contours 1-2000 Surf/Plating Roadway.dwg 1 Contour Lines.dwg



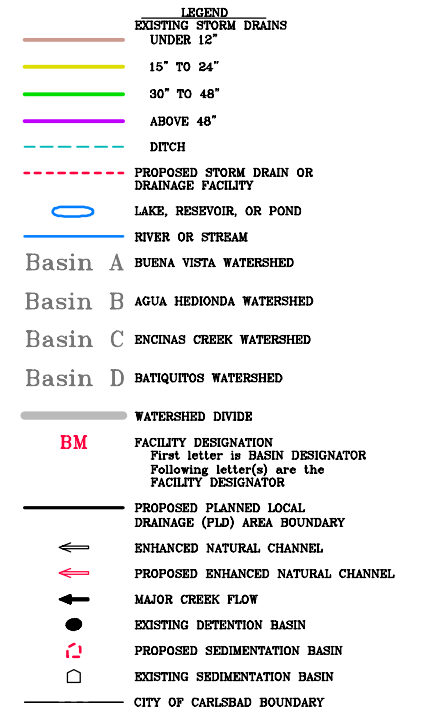
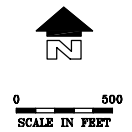
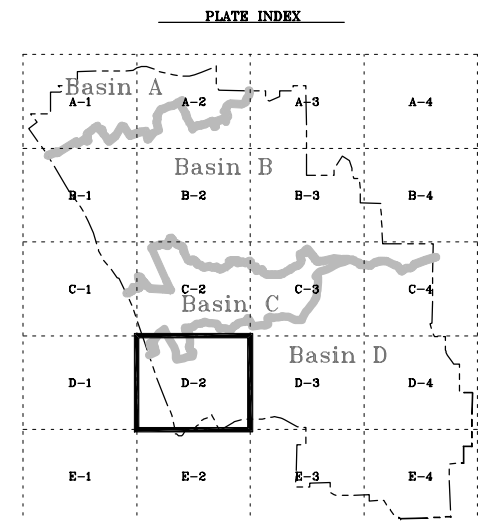
- LEGEND**
- EXISTING STORM DRAINS UNDER 12" (thin brown line)
  - 15" TO 24" (yellow line)
  - 30" TO 48" (green line)
  - ABOVE 48" (purple line)
  - DITCH (dashed blue line)
  - PROPOSED STORM DRAIN OR DRAINAGE FACILITY (dashed red line)
  - LAKE, RESEVOIR, OR POND (blue oval)
  - RIVER OR STREAM (blue line)
  - Basin A BUENA VISTA WATERSHED
  - Basin B AGUA HEDIONDA WATERSHED
  - Basin C ENCINAS CREEK WATERSHED
  - Basin D BATQUITOS WATERSHED
  - WATERSHED DIVIDE (thick grey line)
  - BM FACILITY DESIGNATION  
First letter is BASIN DESIGNATOR  
Following letter(s) are the FACILITY DESIGNATOR
  - PROPOSED PLANNED LOCAL DRAINAGE (PLD) AREA BOUNDARY (dashed black line)
  - ENHANCED NATURAL CHANNEL (black arrow)
  - PROPOSED ENHANCED NATURAL CHANNEL (red arrow)
  - MAJOR CREEK FLOW (black arrow)
  - EXISTING DETENTION BASIN (black circle)
  - PROPOSED SEDIMENTATION BASIN (red circle)
  - EXISTING SEDIMENTATION BASIN (black square)
  - CITY OF CARLSBAD BOUNDARY (dashed black line)



**PLATE C-4**  
**MASTER PLAN OF DRAINAGE FACILITIES**

PROJECT LOCATION CITY OF CARLSBAD	DATE JUN 2007	PROJECT NUMBER 128290
	BROWN AND CALDWELL SAN DIEGO, CALIFORNIA	





**PLATE D-2**  
**MASTER PLAN OF DRAINAGE FACILITIES**

PROJECT LOCATION	DATE	PROJECT NUMBER
	JUN 2007	128290
CITY OF CARLSBAD	BROWN AND CALDWELL SAN DIEGO, CALIFORNIA	

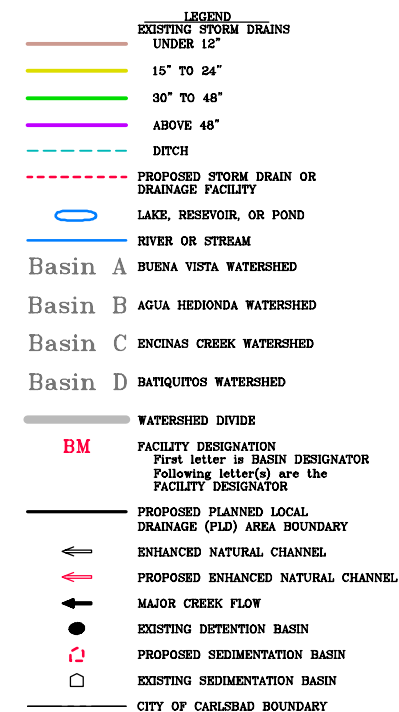
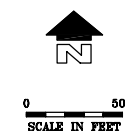
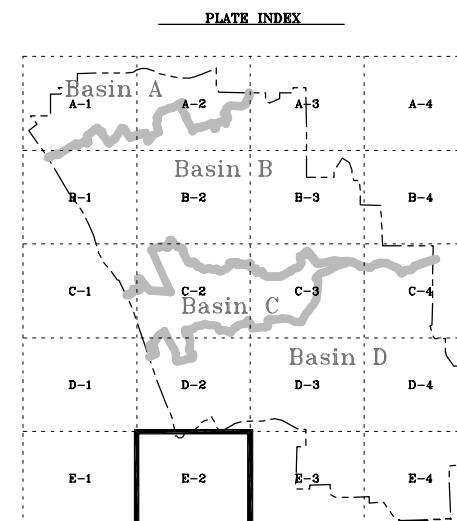
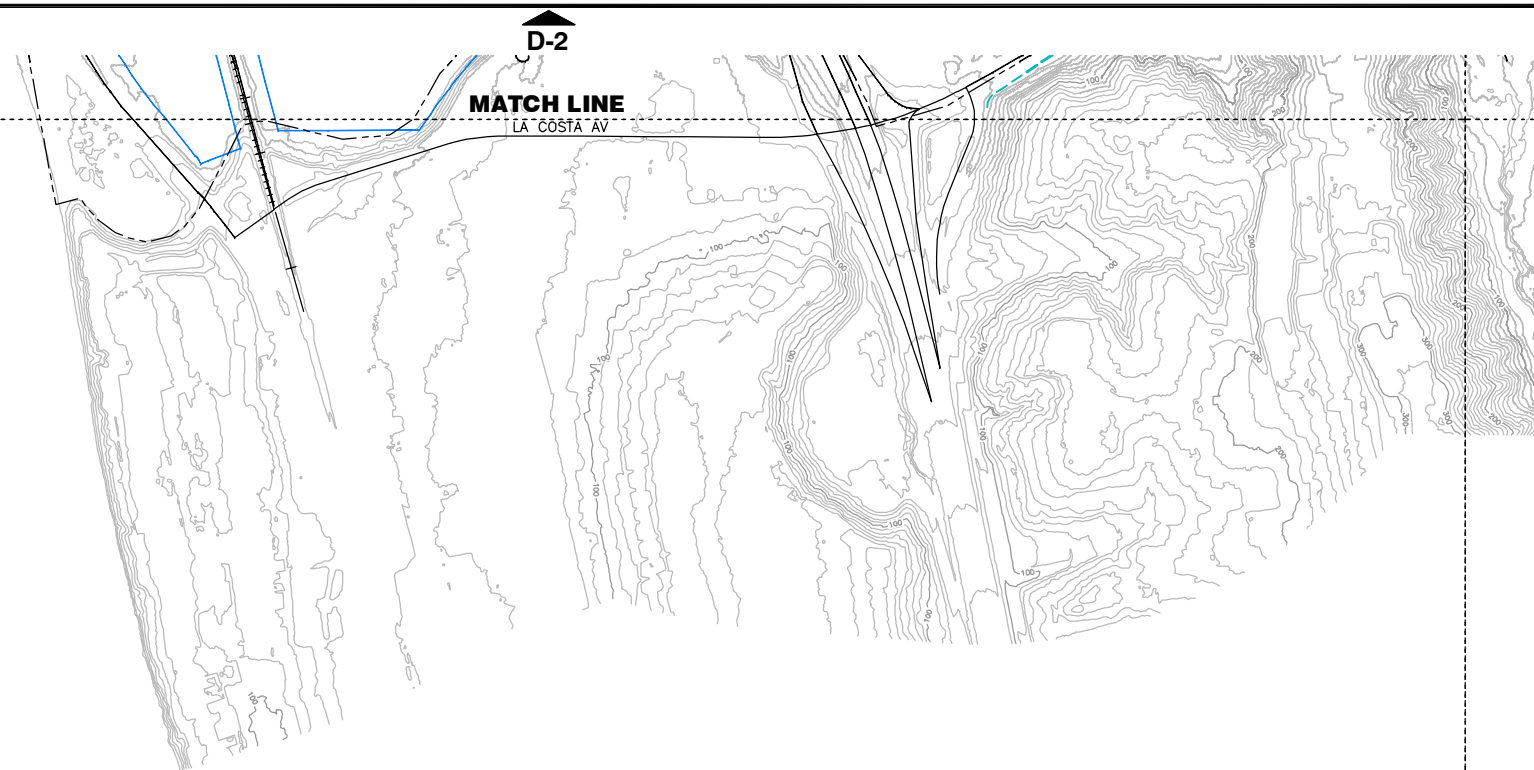












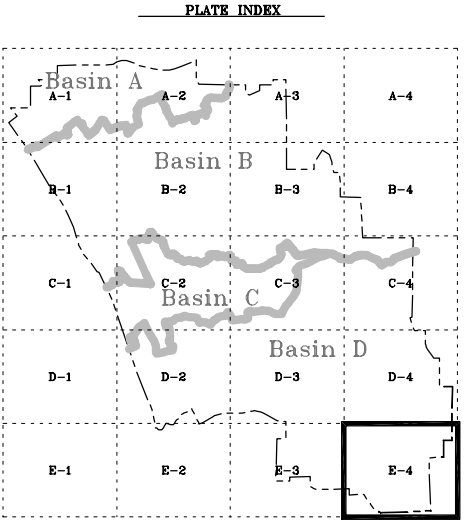
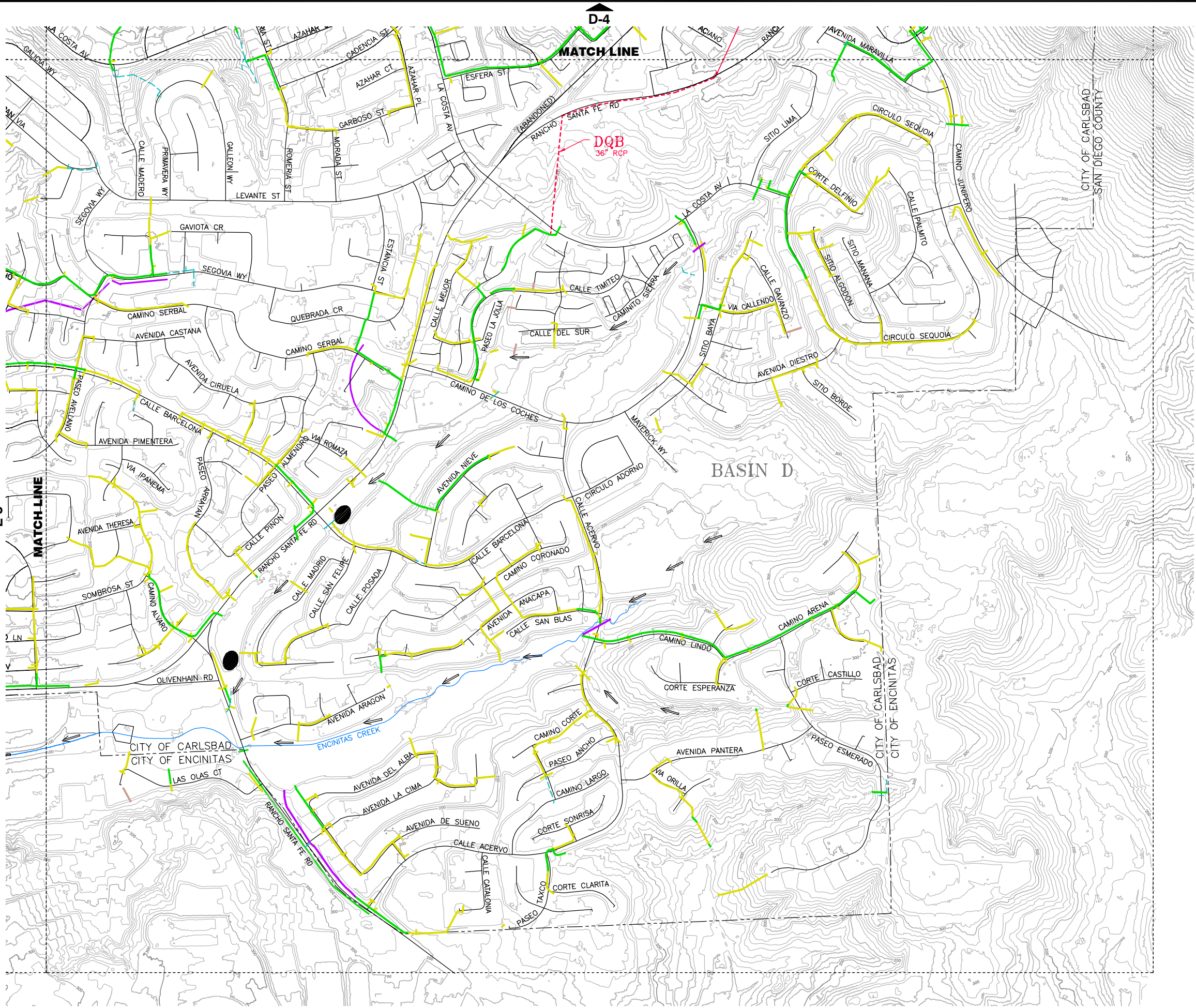
<p align="center"><b>PLATE E-2</b></p> <p align="center"><b>MASTER PLAN OF DRAINAGE FACILITIES</b></p>		
<p>PROJECT LOCATION</p> <p align="center">CITY OF CARLSBAD</p>	<p>DATE</p> <p align="center">JUN 2007</p>	<p>PROJECT NUMBER</p> <p align="center">128290</p>
<p align="center"><b>BROWN AND CALDWELL</b></p> <p align="center"><b>SAN DIEGO, CALIFORNIA</b></p>		







\\nas01\proj\carlsbad\city of carlsbad\GIS\128290-Carlsbad\... 1 Sheet 1000-4900 128290-Carlsbad... 6/29/07 08:26am 1 Ref Plan: Roadside Drainage - 2005 San/Phy/Eng Roadside Drainage - 2005 San/Phy/Eng Roadside Drainage - 2005 San/Phy/Eng



- LEGEND**
- EXISTING STORM DRAINS UNDER 12"
  - 15" TO 24"
  - 30" TO 48"
  - ABOVE 48"
  - DITCH
  - PROPOSED STORM DRAIN OR DRAINAGE FACILITY
  - LAKE, RESEVOIR, OR POND
  - RIVER OR STREAM
  - Basin A** BUENA VISTA WATERSHED
  - Basin B** AGUA HEDIONDA WATERSHED
  - Basin C** ENCINAS CREEK WATERSHED
  - Basin D** BATIKUITOS WATERSHED
  - WATERSHED DIVIDE
  - BM** FACILITY DESIGNATION  
First letter is BASIN DESIGNATOR  
Following letter(s) are the FACILITY DESIGNATOR
  - PROPOSED PLANNED LOCAL DRAINAGE (PLD) AREA BOUNDARY
  - ENHANCED NATURAL CHANNEL
  - PROPOSED ENHANCED NATURAL CHANNEL
  - MAJOR CREEK FLOW
  - EXISTING DETENTION BASIN
  - PROPOSED SEDIMENTATION BASIN
  - EXISTING SEDIMENTATION BASIN
  - CITY OF CARLSBAD BOUNDARY



**PLATE E-4**  
**MASTER PLAN OF DRAINAGE FACILITIES**

PROJECT LOCATION CITY OF CARLSBAD	DATE JUN 2007	PROJECT NUMBER 128290
	BROWN AND CALDWELL SAN DIEGO, CALIFORNIA	